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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application Number | 10/792,037 |
| Filing Date | |
| First Named Inventor | Lee R. Bolduc |
| Group Art Unit | |
| Examiner Name | |
| Attorney Docket Number | HRT-0303-Con |

| | | Sheet 1 0 | | U.S. PATENT DOCUMENTS | | |
|----------------------|------|-----------|-------------------------------|---|--|---|
| Examiner Initials | Cite | | d Code ^z known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document mm-dd-yyyy | Pages, Columns, Lines, where relevant passages or relevant figures appear |
| LL | | 1,756,670 | | Treat | 4/30 | |
| 10 | | 3,254,650 | | Collito | 6/66 | |
| | | 3,254,651 | | Collito | 5/55 | |
| | | 3,519,187 | | Kapitanov | 7/70 | |
| | | 3,570,497 | | Lemole | 3/71 | |
| | | 3,774,615 | | Lim et al. | 11/73 | |
| | | 4,192,315 | | Hilzinger et al. | 3/80 | |
| | | 4,350,160 | | Kolesov et al. | 9/82 | |
| | | 4,352,358 | | Angelchik | 10/82 | |
| | | 4,366,819 | | Kaster | 1/83 | |
| | | 4,368,736 | | Kaster | 1/83 | |
| | | 4,505,414 | | Filipi | 3/85 | |
| | 1 | 4,523,592 | | Daniel | 6/85 | |
| | | 4,553,542 | | Schenck et al. | 11/85 | |
| | | 4,593,693 | | Schenck | 6/86 | |
| | | 4,607,637 | | Berggren et al. | 8/86 | |
| | | 4,624,255 | | Schenck et al. | 11/86 | |
| | | 4,624,257 | | Berggren et al. | 11/88 | |
| | | 4,657,019 | | Walsh et al. | 4/87 | |
| | | 4,665,908 | | Jervis . | 5/87 | |
| | | 4,671,279 | | Hill | 6/87 | |
| | | 4,747,407 | | Liu et al. | 5/88 | |
| | | 4,809,695 | | Gwathmey et al. | 3/89 | |
| | | 4,907,591 | | Vasconcell0os et al. | 3/90 | |
| | | 4,917,087 | | Walsh et al. | 4/90 | |
| | | 4,917,090 | | Berggren et al. | 4/90 | |
| | | 4,917,091 | | Berggren et al. | 4/90 | |
| | | 5,002,563 | | Pyka et al. | 3/91 | |
| | | 5,119,983 | | Green et al. | 6/92 | |
| | | 5,254,130 | | Poncewt et al. | 10/93 | |
| | | 5,324,447 | | Lam et al. | 6/94 | |
| | | 5,330,503 | | Yoon | 7/94 | |
| | | 5,338,233 | | Chen | 8/94 | |

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| MORI | 5,366,462 | Kester et al. | 11/94 | |
|------|-----------|---------------------|-------|---------------------------------------|
| 7 | 5,478,354 | Tovey et al. | 12/94 | · · · · · · · · · · · · · · · · · · · |
| | 5,522,834 | Fonger et al. | 6/96 | |
| | 5,549,619 | | | |
| | | Peters et al. | 8/96 | |
| | 5,486,183 | Middleman et al. | 1/98 | |
| | 5,554,162 | DeLange | 9/98 | |
| | 5,597,378 |) Jervis | 1/97 | |
| | 5,601,572 | Middleman et al. | 2/97 | |
| | 5,620,452 | Yoon | 4/97 | |
| | 5,695,504 | Gifford III et al. | 12/97 | |
| | 5,702,412 | Popov et al. | 12/97 | |
| | 5,810,851 | Yoon | 9/98 | |
| | 5,820,628 | Middleman et al. | 10/98 | |
| | 5,830,222 | Makower | 11/98 | |
| | 5,972,024 | Northrup III et al. | 10/99 | |
| | 6,190,353 | Makower | 2/01 | |
| 25 | 6,616,675 | Evard et al. | 9/03 | |

| | | | | FORE | GN PATENT DOCUMENTS | | | |
|----------------------|--------------|-------------------------|------------------------|---------------------|-----------------------------|--|--|--------------|
| | | Foreign Patent Document | | nt | Name of Patentee or | Date of Publication of Cited Document | Pages, Columns, Lines, where relevant | |
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| 28 | | wo | 97/40754 | | | 11/97 | | |
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| Examiner Signature Lackson, Davy | Date Considered | June 21, 2005 |
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Sheet 1 of 1

| Application Number | 10/792,307 |
|------------------------|---------------|
| Filing Date | |
| First Named Inventor | Lee R. Bolduc |
| Group Art Unit | |
| Examiner Name | |
| Attorney Docket Number | HRT-0303-Con |

| | | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | |
|------------|------|--|----------------|
| | | Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item | |
| Examiner's | Cite | (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), | T ² |
| Initials* | No.1 | publisher, city and/or country where published | |
| 49 | | Androsov, "New Method of Surgical Treatment of Blood Vessel Lesions" (1956) Arch. Surg. 73:902-910. | |
| 1 | | Berggren et al., "Clinical Experience with UNILINK 3M Precise Microvascular Anastomotic Device" Scand J Plast Reconstru- Hand Surg. Vol. 27, No. 1, 1993; pps. 35-39. | |
| | | Cooper et al., "Development of the Surgical Stapler with Emphasis on Vascular Anastomosis," NY Acad. Sci, 1963;25-365-377. | |
| | | Gentili et al., "A technique for Rapid Non-suture Vascular Anastomosis," Can. J Neuro Sci., Vol. 14, No. 1, Feb. 1987 pps. 92-95 | |
| | | Goetz et al., "Internal Mammary-coronary Artery Anastomosis: A Nonsulure Method Employing Tantalum Rings," J Thorac Card Surg. 1981;41(3):378-386. | |
| | | Gottlob et al., "Anastomoses of Small Arteries and Veins by Means of Bushings and Adhesive," J Card Surg, 1968;9:337-341. | |
| | | Guyton et al., "A Mechanical Device for Sutureless Aorta-Sapheneous Vein Anastomosis," Ann Thorac Surg, 1979;28:342-345 | |
| | | Holt et al., "A New Technique for End-to-End Anastomosis of Small Arteries," Surgical Forum, v. 11,1960, pp. 242-243. | |
| | | Inokuchi, "A new type of vessel-suturing apparatus," (1958) AMA Arch. Surg. 77:954-957. | |
| | | Inokuchi, "Stapling device for end-to-side anastomosis of blood vessels" (1961) arch. Surg. 82:27-31. | |
| | | Lanzetta et al., "Long-term Results of 1 Millimeter Arterial Anastomosis Using the 3M Precise Microvascular Anastomotic System," Microsurgery, 1992; 13:313-320. | |
| | | Li et al., "End-to-side-anastomosis in the Dog using the 3M Precise Microvascular Anastomotic System: A Comparative Study," J Reconstruct Microsurg, 1991;7(4):345-350. | |
| | | Miller, "The Russian Stapling Device," New York Scl., Series 2, Vol 25,1962-1963; pps:378-381. | |
| | | Nakeyama et al., "A Simple New Apparatus for Small Vessel Anastomosis (free autograft of the sigmoid included)," Surgery, 1962;52(6):918-931. | |
| 1 | | Narter et al., "An Experimental Method for Nonsuture Anastomosis of the Aorta," surg Gyne & Obs, 1964;632-361 | |
| | | Olearchyk, "Vasilli I Kolesov – a Pioneer of Coronary Revascularization by Internal Mammary-coronary Artery Grafting," J Thorac. Surg. 1988;96(1)*13-18. | |
| | | Ragnarsson et al., "Microvenous End-to-side Anastomosis; An experimental study comparing the UNILINK System and Sutures," J. Reconstruct Microsurg, 1989; 5(3): 217-224. | |
| | | Ragnarsson et al., "Arterial End-to-side Anastomosis with the UNILINK System," Ann Plastic Surg, 1989;22(3): 405-415. | |
| 1 | | Rohman et al., "Double coronary artery-internal mammary artery anastomoses, tantalum ring technique," (1960) Surg. Forum 11:236-243. | |
| AS. | | Vogelfanger et al. "A concept of automation in vascular surgery: a preliminary report on a mechanical instrument for arterial anastomosis," (1958) Can. J. Surg. 58:262-265. | |
| - 0 | | | |

| Examiner | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | Date | 177 |
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| Signature | tackson, days | • | Considered | 1440 21,2005 |
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Application Number

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U.S. PATENT DOCUMENTS

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT (use as many shorts as necessary) Sheet 1 of 2

| Application Number | 10/792,037 |
|------------------------|---------------|
| Filing Date | 3/3/04 |
| First Named Inventor | Lee R. Bolduc |
| Group Art Unit | 3731 |
| Examiner Name | |
| Attorney Docket Number | HRT-0303C2 |

| examiner . | Cite | U.S. Patent Document | Name of Patentae or Applicant | Date of Publication of Cited Document | Pagas, Columns, Lines, where relevant passage |
|------------|------|----------------------|-------------------------------|---------------------------------------|--|
| aleitin | No.1 | | of Cited Document | mm-dd-yyyy | or relevant figures appear |
| 10 | | 4,503,569 | Dotter | 3/12/85 | |
| 10 | | 4,692,764 | Guple et ál. | S/3/88 | |
| | | 4,617,932 | Kemberg | 10/21/88 | |
| | | 4,886,909 | Jarvis | 5/19/87 | |
| | | 5,002,863 | Pyka et al. | 3/26/91 | |
| | | 5,104,899 | Lezarus | 4/14/92 | |
| | | 8,122,156 | Granger et al. | 1/16/92 | |
| | | 6,207.695 | Trout III | 5/4/93 | |
| | | 8,211,658 | Clouse | 5/18/93 | |
| | | 5,211,683 | Maghot | 6/18/93 | |
| Ş | | 5.254,130 | Poncet et al. | 10/19/93 | |
| | | 5,278,622 | Lazerus et et. | 1/4/94 | |
| | | 5,904,220 | Maginot | 4/19/94 | |
| | | 6,316,023 | Palmax et al. | 5/31/84 | |
| | | 6,489,183 | Middleman et al. | 1/25/98 | |
| | | 5,386,482 | Kaster et al. | 11/22/94 | |
| | | 5,887,235 | Chuter | 2/7/95 | |
| | | 6,397,348 | Lezzure | 9/14/95 | |
| | | 5,307,956 | Marin et al. | 3/14/95 | |
| | | 5,448,497 | Ventrux | 8/22/95 | |
| | | 8,482,733 | Sterman et al. | 9/26/95 | |
| | | 5,458,712 | Maginot | 10/10/95 | |
| | | 6,601,672 | Middleman et al. | 2/11/97 | |
| | | 5,695,504 | St. Goar et al. | 12/9/97 | |
| | | 5,755,778 | Kleshinski | 5/26/98 | |
| | | 5,769,870 | Salahleh et al. | 6/23/98 | |
| | | 6,797,920 | Kim | 8/25/98 | |
| | | 5,507,769 | Marin et al. | 4/16/86 | |
| | | 5,522,880 | Barone et al. | 6/4/98 | |
| | | 8,648,214 | Stevens | 8/19/96 | |
| | | 6,820,828 | Middleman et al. | 10/13/98 | |
| | | 5,830,222 | Makower | 11/13/88 | |
| KLY | | 6,881,943 | Herck et al. | 3/18/99 | |

10/792,037

| a d | 5,972,017 | Berg et el. | 10/26/99 | |
|-----|-----------|------------------|----------|--|
| 1 | 5,978,169 | Bolduc et al. | 11/21/99 | |
| | 5,978,178 | Goldsteen et al. | 11/2/99 | |
| | 6,036,702 | Bachinski | 3/14/00 | |
| | 8,074,418 | Berg et al. | 8/13/00 | |
| | 8,451,048 | Song et al. | 8/17/02 | |
| | 8,461,320 | Yentho et al. | 10/8/02 | |
| | 8,485,498 | Suyker et al. | 11/26/02 | |
| | 8,120,432 | Sullivan et al. | 9/19/00 | |
| | 6,190,953 | Makower et oi. | 2/20/01 | |
| | 6,208,912 | Goldsteen et al. | 8/27/01 | |
| | 8.302.905 | Goldsteen et al. | 10/18/01 | |
| | 8,330,969 | Milliman | 12/18/01 | |
| | 6,613,611 | Allen | | |
| | 6,618,878 | Evand et al. | 8/9/03 | |
| 228 | 6,702,829 | Bachinski et al. | 3/9/04 | |

| Examiner Initials | Cito No.1 | 1 | Patent Doc | ument | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document mm-dd-yyyy | Pages, Columns, Lines, where relevant .passages or relevant figures appear | 70 |
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Sheet 1 of 1

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| Application Number | 10/792,037 |
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| First Named Inventor | Lee R. Bolduc |
| Group Art Unit | 3731 |
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| Attorney Docket Number | HRT0303C2 |

| | | U.S. Patent Document | | | | |
|----------------------|--------------|----------------------|--------------------------------------|---|---|---|
| Examiner Initials | Cite No.1 | Number | Kind Code ² (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document mm-dd-yyyyy | Pages, Columns, Lines, where relevant passages or relevant figures appear |
| LL Sh | | 4,214,587 | | Sakura, Jr. | 07/29/1980 | |
| DIS | | 5,234,447 | | Kaster et al. | 08/10/1993 | _ |
| U | | | | | | |
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FOREIGN PATENT DOCUMENTS Foreign Patent Document Date of Publication Pages, Columns, Lines, of Cited Document where relevant Name of Patentee or passages or relevant Examiner mm-dd-yyyy Applicant of Cited Document figures appear Initials KindCode5 Office³ Number⁴ No.1

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